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|       |    |     |     |

Application/Control No.

Applicant(s)/Patent under Reexamination

10/075,917

KOCH, KENNETH ELMON

Examiner

**Daniel Pan** 

Art Unit

2183

Rejected **Allowed** 

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

Appeal Α 0 Objected

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| Cla                  | im                         | Date   |  |  |          |  |              |              |  |           |
| Final                | Original                   | 11/8/07  |  |  |          |  |              |              |  | :         |
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| 1                    |                            | -  |  |  |          |  | _            |              | _  | Н         |
| MAX                  |                            | M  | _  | Ш  |          |  |              |              |  | Н         |
| 2                    | 3                          | =  |  | _  |          | _  | _            |              |  | $\square$ |
| 3                    | 4                          | =  |  |  |          |  |              |              |  | $\Box$    |
| 2<br>3<br>4<br>5     | 1<br>2<br>3<br>4<br>5<br>6 | =  |  |  |          |  |              |              |  | $\square$ |
| 5                    | 6                          | =  | L  |  |          |  |              |              |  |           |
| 6                    | 7                          | =  |  |  |          |  |              |              |  |           |
| ~                    | 8                          | Ñ  |  |  |          |  |              |              |  |           |
| 7                    | 9                          | =  |  |  |          |  |              |              |  |           |
| 8                    | 10                         | =  |  |  |          |  |              |              | П  | П         |
| 9                    | 11                         | =  | Ι  | <del>                                     </del> |          | П  | Т            | Т            | Н  |           |
| 10                   | 12                         | =  | $\vdash$   | $\vdash$   |          | $\vdash$   | -            | -            | Н  | -         |
| 11                   | 11<br>12<br>13             | =  | -  | -  |          | $\vdash$   |              | $\vdash$     | $\vdash$   | $\vdash$  |
| 12                   | 14                         | H  | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$     | -  | $\vdash$  |
| 12                   | 14<br>15                   | ŀ  | -  | -  | Н        | -  | <del> </del> | H            | Н  | Н         |
| 13                   | 15                         | ╚  |  | <u> </u>   | <u> </u> | <u> </u>   | <u> </u>     | <u> </u>     | $\vdash$   |           |
| 12<br>13<br>14<br>15 | 16<br>17                   | ᆖ  | <u> </u>   | _  |          | <u> </u>   | $\vdash$     | L.           | _  | Щ         |
| 15                   | 17                         | =  | <u> </u>   |  |          |  |              |              | L.   |           |
| 16                   | 18                         | =  | _  | _  |          |  |              | _            | L  |           |
| 17<br>18             | 19                         | =  |  |  |          |  |              |              |  |           |
| 18                   | 20                         | =  | Γ  |  |          |  |              |              |  |           |
| 19                   | 21                         | =  |  |  |          |  |              |              |  |           |
| 20                   | 22                         | =  |  |  |          |  |              |              | _  | $\Box$    |
| 21                   | 22<br>23                   | =  | _  |  |          |  | H            | $\vdash$     | <del>                                     </del> | $\vdash$  |
| 22                   | 24                         | ╘  | $\vdash$   | $\vdash$   |          | -  | _            | <del> </del> | $\vdash$   | -         |
| 23                   | 25                         | <del>-</del>                                     | $\vdash$   | $\vdash$   | _        | ┝  | $\vdash$     | -            | ├─   |           |
| 23<br>24             | 25<br>26                   | 는  | $\vdash$   | $\vdash$   | _        | ├─   | ┝            |              | ├─   | Н         |
| 25                   | 20                         | +=   | -  | -  | -        | ├─   | $\vdash$     | ┝            | ⊢  | Н         |
| 20                   | 27                         | =  | ┝  | $\vdash$   | _        | <u> </u>   | <u> </u>     |              | ├  | Н         |
| <u> </u>             | 28<br>29                   | ⊢  | ┝  | _  | _        |  | -            | _            | ⊢  | -         |
|                      | 29                         | ļ  | _  | _  |          | <u> </u>   | _            | _            | <u> </u>   | Ш         |
|                      | 30                         | <u> </u>   | _  |  |          |  |              |              |  |           |
|                      | 31                         | <u> </u>   |  |  | ļ.,      | L  | L            |              |  |           |
|                      | 32                         | L  |  | L  |          | L  | L            |              | <u> </u>   | Ш         |
|                      | 33                         | L  | L  | L  |          | L  | L            | L            | L_   |           |
|                      | 34                         |  |  |  |          | L  |              |              |  |           |
|                      | 35                         |  |  |  |          |  |              |              |  | П         |
|                      | 36                         | Γ  |  |  |          |  |              |              |  | П         |
|                      | 37                         | <u> </u>   | <u> </u>   |  |          |  |              | <u> </u>     |  | М         |
| <b></b>              | 38                         | 1  | $\vdash$   | T  | $\vdash$ | <del>                                     </del> |              | $\vdash$     | $\vdash$   | Н         |
|                      | 39                         | <del>                                     </del> | <del>                                     </del> | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$     | <del> </del>                                     | Н         |
| <u> </u>             | 40                         | +  | $\vdash$   | <del>  -</del>                                   | -        | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$   | Н         |
| $\vdash$             | 41                         | $\vdash$   | ⊢  | <del> </del>                                     |          | -  |              | ├            | -  | $\vdash$  |
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|                      | 42                         | -  | ├  |  | <u> </u> | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$   | Н         |
| ļ                    | 43                         | $\vdash$   | ⊢  | ⊢  | ├—       | <u> </u>   | <u> </u>     | _            | <u> </u>   | Н         |
|                      | 44                         | _  | <u> </u>   | <u> </u>   | $\vdash$ | <u> </u>   | $\vdash$     | <u> </u>     | <u> </u>   | Ш         |
|                      | 45                         |  |  | <u> </u>   | <u> </u> | L  | 匚            | <u> </u>     | _  | Ш         |
| L                    | 46                         |  | oxdot  | 匚  | _        | $oxedsymbol{oxedsymbol{oxed}}$                   | _            | L            |  | Ш         |
|                      | 47                         |  |  |  | L        |  |              |              |  |           |
|                      | 48                         |  |  |  |          |  |              |              |  | П         |
|                      | 49                         |  |  | Π  |          |  | Π            |              |  | П         |
|                      | 50                         |  | <u> </u>   | T  | Г        |  | Г            |              | $\vdash$   | М         |
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| 1           | 51       |              |              |          |  |  |              |          |  |  |
|             | 52       |              |              |          |  |  |              |          |  |  |
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| <b>—</b>    | 50       |              | _            |          |  |  |              | $\vdash$ |  |  |
| <u> </u>    | 54       |              |              |          |  |  |              |          |  | -  |
|             | 55       |              |              |          |  |  |              |          |  |  |
| 1           | 56       |              |              |          |  |  |              |          |  |  |
|             | 57       |              |              |          |  |  |              |          |  |  |
|             | 58       |              |              |          |  |  |              |          | _  |  |
|             | 59       | =            |              | -        |  |  |              |          |  |  |
|             |          |              |              |          |  |  | _            |          | _  | -  |
|             | 60       |              |              |          |  |  |              |          |  | _  |
| L           | 61       |              |              |          |  |  |              |          |  |  |
|             | 62       |              |              |          |  |  |              |          |  |  |
|             | 63       |              |              |          |  |  |              |          |  |  |
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| -           | 65       |              | <u> </u>     |          | L  |  | <u> </u>     | <u> </u> | <u> </u>   | <u> </u>   |
|             | 66<br>67 |              |              |          |  |  |              |          |  |  |
|             | 67       |              | i            |          |  |  |              | '        |  |  |
|             | 68       |              |              |          |  |  |              |          |  |  |
|             | 69       |              | -            |          |  | _  | -            | _        |  | -  |
|             | 70       | _            | -            | _        |  |  |              | <u> </u> |  | -  |
| <u> </u>    | 70       |              | L.           |          |  |  |              |          |  | _  |
|             | 71       |              |              |          |  |  |              |          |  |  |
|             | 72<br>73 |              |              |          |  |  |              |          |  |  |
|             | 73       |              |              |          |  |  |              |          |  |  |
|             | 74       |              | <del> </del> |          |  | -  | -            | <u> </u> |  | ┢╾   |
|             | 74       |              | ├            |          |  |  | _            | <u> </u> |  | -  |
|             | 75       |              | _            |          |  |  |              | Ш        |  | _  |
|             | 76       |              | L            |          |  |  |              |          |  | 乚  |
|             | 77       |              |              |          |  |  |              |          |  |  |
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|             | 79       | _            | <del> </del> |          | _  |  |              |          |  | $\vdash$   |
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| <b>├</b>    | 80       | -            | <del> </del> |          | -  |  | <u> </u>     | _        | <u> </u>   |  |
| <u> </u>    | 81       | L            | <u> </u>     | L        | L_   |  | <u></u>      | L        |  | <u> </u>   |
| L           | 82       | LÌ           | L            | LÏ       | LĪ   | L  | L            | L        | L  | L  |
|             | 83       |              |              |          |  |  |              |          |  |  |
|             | 84       | _            | Ι-           |          | $\vdash$   |  | Т            | Т        | Ι  | <del></del>                                      |
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|             | 86       |              | L_           |          | L.   | L  | L.,          |          | L  | <u></u>  |
|             | 87       |              |              |          |  | L  | L.           |          |  |  |
|             | 88       |              |              |          |  |  |              |          | _  |  |
|             | 89       |              | Г            |          | Г  |  |              | Π        | Г  | Г  |
| <b>—</b>    | 90       |              | Ι-           | Ι        | <del>                                     </del> | <del> </del>                                     |              | $\vdash$ | $\vdash$   | $\vdash$   |
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|             | 91       | $\vdash$     | $\vdash$     | <u> </u> | <u> </u>   | L  | L_           | L_       | <u> </u>   | L.   |
|             | 92       |              |              | L        |  |  |              | L        |  | L  |
|             | 93       |              |              |          |  | l  |              |          |  |  |
|             | 94       |              |              |          |  | <u> </u>   |              | Г        | Г  | Г  |
| -           | 95       | -            | $\vdash$     | $\vdash$ | <del> </del>                                     | <del> </del>                                     |              |          | -  | <del> </del>                                     |
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| <b> </b>    | 96       | <u> </u>     | ├—           | <u> </u> | <u> </u>   | ļ  | <u> </u>     | <u> </u> | <u> </u>   | ⊢-   |
|             | 97       |              | L            |          |  | L  |              |          | L  | <u></u>  |
|             | 98       |              |              |          |  | L  |              |          | <u> </u>   | L  |
|             | 99       |              | $\Box$       | Г        |  |  |              |          |  |  |
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| Cla  | Date  |          |          |            |          |  |          |          |  |                 |
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| Final  | Original  |          |          |            |          |  |          |          |  |                 |
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|  | 101   |          |          |            |          |  |          |          |  | Ш               |
|  | 102<br>103  |          |          | <u> </u>   | _        |  | $\vdash$ |          |  |                 |
|  | 103   |          |          | L          | _        |  | $\vdash$ |          |  |                 |
|  | 104   |          |          | -          | _        |  | $\vdash$ |          |  | -               |
|  | 105<br>106  |          | _        | ⊢          | _        | _  | <u> </u> | -        | -  |                 |
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|  | 107   |          | _        | ⊢          | $\vdash$ | -  | $\vdash$ | -        | -  | Н               |
|  | 108<br>109<br>110   |          |          | ├          | _        |  |          | H        |  | $\vdash$        |
|  | 110   | _        | _        | -          |          |  |          |          | -  |                 |
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|  | 113   | -        |          | _          | Н        | $\vdash$   | $\vdash$ | Т        | $\vdash$   | $\vdash$        |
|  | 111<br>112<br>113<br>114<br>115   |          |          |            |          | П  |          | Т        | <del>                                     </del> | H               |
|  | 115   |          |          | _          |          |  |          | _        | $\vdash$   | П               |
|  | 116<br>117<br>118   | Г        | $\Box$   |            |          | _  | Г        | Г        | $\vdash$   | Н               |
|  | 117   |          |          |            | П        |  |          |          |  | П               |
|  | 118   |          |          |            |          |  |          |          |  | П               |
|  | 119   |          |          |            |          |  |          |          |  |                 |
|  | 120   |          |          |            |          |  |          |          |  |                 |
|  | 121   |          |          |            |          |  |          |          |  |                 |
|  | 122   |          | L        |            | L        |  | L        | L        | L  |                 |
|  | 123   | _        |          | L_         |          |  | L_       |          | <u> </u>   | Ш               |
|  | 124   | L        |          | _          |          |  |          | _        | L  | Ш               |
|  | 119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131 | <u> </u> | <u> </u> | ļ          |          | _  | <u> </u> |          |  | Ш               |
|  | 126   | <u> </u> | ļ        | <u> </u>   |          | _  | _        | <u> </u> | -  | Н               |
| ļ  | 127   | <u> </u> | <u> </u> | <b>-</b>   |          | -  | <u> </u> | -        | _  | Н               |
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| <del>                                     </del> | 132   | _        |          | -          | ┢        | $\vdash$   | -        | $\vdash$ |  | Н               |
| <b></b>  | 133<br>134<br>135   |          | $\vdash$ | $\vdash$   | -        | -  | -        |          | <u> </u>   | H               |
|  | 134   | H        |          | -          |          |  | ┢        |          | $\vdash$   | Н               |
|  | 135   |          |          | 1          |          |  |          |          |  | П               |
|  | 136<br>137  |          |          |            | Г        | _  |          |          |  | П               |
|  | 137   |          |          |            |          |  |          |          |  |                 |
|  | 138   |          |          |            |          |  |          |          |  |                 |
|  | 138<br>139<br>140   |          |          |            |          |  | 匚        |          | Ĺ  |                 |
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|  | 141   | ļ        |          |            |          |  | _        | _        | <u> </u>   | Ш               |
|  | 142   | <u> </u> |          | $\vdash$   | <u> </u> | <u> </u>   | 1_       |          | _  | Ш               |
|  | 143   | <u> </u> | ļ        | <u> </u>   | ļ.       | <u> </u>   |          | <b>!</b> | ⊢  | Н               |
| ļ  | 144   | $\vdash$ | _        | ⊢          |          | <u> </u>   | ļ        |          | ├  | $\vdash$        |
| <u> </u>   | 145<br>146  | ⊢        | $\vdash$ | ├          |          | ├-   | -        | -        | ├  | $\vdash \vdash$ |
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| t  | 100   | l        |          | <u> </u>   | Ь_       | Ц  | Ь        | L        | Щ.   | ட               |